

***New Standards Mathematics Reference Exam***  
***School Results from Spring, 1999***  
***High School Level (Tested at Grade 10)***



***Vermont Department  
of Education***

| <i>School Name</i>            | <i>N</i> | <b>Mathematical Concepts</b> |              |               |                 |               | <b>Mathematical Skills</b> |              |               |                 |               | <b>Mathematical Problem Solving</b> |              |               |                 |               |
|-------------------------------|----------|------------------------------|--------------|---------------|-----------------|---------------|----------------------------|--------------|---------------|-----------------|---------------|-------------------------------------|--------------|---------------|-----------------|---------------|
|                               |          | <i>Little</i>                | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> | <i>Little</i>              | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> | <i>Little</i>                       | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> |
| Arlington Memorial            | 39       | 3%                           | 31%          | 28%           | 23%             | 15%           | 8%                         | 13%          | 15%           | 36%             | 28%           | 23%                                 | 36%          | 8%            | 26%             | 8%            |
| Bellows Falls UHSD #27        | 113      | 11%                          | 36%          | 25%           | 18%             | 11%           | 12%                        | 34%          | 10%           | 38%             | 7%            | 40%                                 | 35%          | 9%            | 12%             | 4%            |
| Bellows Free Academy          | 72       | 14%                          | 31%          | 15%           | 33%             | 7%            | 15%                        | 22%          | 6%            | 33%             | 24%           | 36%                                 | 24%          | 17%           | 13%             | 11%           |
| Black River USD #39           | 38       | 5%                           | 50%          | 24%           | 16%             | 5%            | 13%                        | 32%          | 16%           | 21%             | 18%           | 45%                                 | 26%          | 18%           | 3%              | 8%            |
| Blue Mountain USD #21         | 42       | 17%                          | 38%          | 19%           | 19%             | 7%            | 17%                        | 31%          | 7%            | 36%             | 10%           | 52%                                 | 12%          | 7%            | 17%             | 12%           |
| Brattleboro Sr. UHSD #6       | 247      | 7%                           | 34%          | 30%           | 23%             | 6%            | 11%                        | 25%          | 17%           | 30%             | 17%           | 29%                                 | 37%          | 13%           | 13%             | 9%            |
| Burlington Senior High Sch    | 194      | 10%                          | 33%          | 26%           | 20%             | 11%           | 10%                        | 24%          | 9%            | 33%             | 24%           | 31%                                 | 34%          | 10%           | 17%             | 9%            |
| Cabot School                  | 18       | 6%                           | 22%          | 17%           | 39%             | 17%           | 0%                         | 22%          | 0%            | 39%             | 39%           | 11%                                 | 17%          | 17%           | 33%             | 22%           |
| Canaan Schools                | 21       | 5%                           | 24%          | 52%           | 14%             | 5%            | 14%                        | 10%          | 10%           | 57%             | 10%           | 29%                                 | 38%          | 14%           | 19%             | 0%            |
| Champlain Valley UHSD #15     | 267      | 5%                           | 19%          | 27%           | 26%             | 23%           | 5%                         | 18%          | 11%           | 33%             | 34%           | 15%                                 | 30%          | 16%           | 21%             | 18%           |
| Chelsea Elem. High School     | 41       | 12%                          | 22%          | 44%           | 12%             | 10%           | 7%                         | 34%          | 10%           | 32%             | 17%           | 37%                                 | 29%          | 10%           | 15%             | 10%           |
| Colchester High School        | 156      | 8%                           | 25%          | 34%           | 23%             | 10%           | 10%                        | 31%          | 14%           | 29%             | 15%           | 21%                                 | 37%          | 18%           | 17%             | 8%            |
| Concord Schools               | 18       | 11%                          | 44%          | 17%           | 17%             | 11%           | 0%                         | 22%          | 17%           | 56%             | 6%            | 11%                                 | 67%          | 11%           | 6%              | 6%            |
| Craftsbury Schools            | 11       | 18%                          | 27%          | 27%           | 27%             | 0%            | 9%                         | 36%          | 0%            | 27%             | 27%           | 36%                                 | 55%          | 9%            | 0%              | 0%            |
| Danville School               | 39       | 10%                          | 26%          | 26%           | 28%             | 10%           | 5%                         | 10%          | 15%           | 44%             | 26%           | 28%                                 | 31%          | 15%           | 10%             | 15%           |
| Enosburg Falls Jr/Sr High Sch | 91       | 10%                          | 58%          | 21%           | 7%              | 4%            | 19%                        | 37%          | 15%           | 22%             | 7%            | 44%                                 | 40%          | 7%            | 7%              | 3%            |
| Essex Comm. Ed. Ctr. UHSD #46 | 321      | 4%                           | 21%          | 26%           | 26%             | 24%           | 4%                         | 15%          | 10%           | 38%             | 32%           | 17%                                 | 28%          | 14%           | 24%             | 17%           |
| Fair Haven UHSD #16           | 164      | 4%                           | 35%          | 30%           | 23%             | 9%            | 9%                         | 21%          | 13%           | 37%             | 21%           | 32%                                 | 34%          | 10%           | 16%             | 7%            |
| Green Mountain UHSD #35       | 59       | 7%                           | 34%          | 25%           | 24%             | 10%           | 7%                         | 12%          | 12%           | 42%             | 27%           | 46%                                 | 24%          | 10%           | 17%             | 3%            |
| Hartford High School          | 169      | 5%                           | 36%          | 28%           | 20%             | 12%           | 6%                         | 26%          | 8%            | 38%             | 22%           | 25%                                 | 38%          | 13%           | 18%             | 7%            |
| Harwood UHSD #19              | 143      | 8%                           | 29%          | 27%           | 18%             | 19%           | 6%                         | 30%          | 18%           | 31%             | 15%           | 34%                                 | 24%          | 9%            | 20%             | 13%           |
| Hazen UHSD #26                | 68       | 9%                           | 49%          | 25%           | 13%             | 4%            | 13%                        | 40%          | 15%           | 21%             | 12%           | 32%                                 | 32%          | 13%           | 16%             | 6%            |
| Lake Region UHSD #24          | 91       | 4%                           | 35%          | 45%           | 14%             | 1%            | 8%                         | 23%          | 14%           | 44%             | 11%           | 22%                                 | 41%          | 16%           | 21%             | 0%            |
| Lamoille UHSD #18             | 132      | 8%                           | 39%          | 22%           | 20%             | 11%           | 8%                         | 31%          | 12%           | 42%             | 7%            | 27%                                 | 36%          | 14%           | 16%             | 8%            |
| Leland & Gray UHSD #34        | 68       | 6%                           | 28%          | 24%           | 21%             | 22%           | 6%                         | 28%          | 7%            | 43%             | 16%           | 10%                                 | 38%          | 19%           | 18%             | 15%           |
| Middlebury Sr. UHSD #3        | 169      | 4%                           | 30%          | 24%           | 24%             | 18%           | 7%                         | 18%          | 12%           | 37%             | 25%           | 26%                                 | 25%          | 11%           | 21%             | 18%           |
| Mill River USD #40            | 112      | 10%                          | 33%          | 19%           | 23%             | 15%           | 9%                         | 26%          | 14%           | 31%             | 20%           | 33%                                 | 32%          | 13%           | 16%             | 6%            |
| Milton Sr High School         | 107      | 11%                          | 34%          | 28%           | 14%             | 13%           | 13%                        | 33%          | 18%           | 23%             | 13%           | 36%                                 | 36%          | 6%            | 12%             | 10%           |
| Missisquoi Valley UHSD #7     | 155      | 14%                          | 43%          | 25%           | 15%             | 3%            | 12%                        | 41%          | 17%           | 22%             | 8%            | 35%                                 | 42%          | 11%           | 10%             | 2%            |

Little=Little Evidence of Achievement, Below=Below the Standard, Nearly=Nearly Achieved the Standard, Standard=Achieved the Standard, Honors=Achieved the Standard with Honors

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***Vermont Department  
of Education***

| <i>School Name</i>            | <i>N</i> | <b>Mathematical Concepts</b> |              |               |                 |               | <b>Mathematical Skills</b> |              |               |                 |               | <b>Mathematical Problem Solving</b> |              |               |                 |               |
|-------------------------------|----------|------------------------------|--------------|---------------|-----------------|---------------|----------------------------|--------------|---------------|-----------------|---------------|-------------------------------------|--------------|---------------|-----------------|---------------|
|                               |          | <i>Little</i>                | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> | <i>Little</i>              | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> | <i>Little</i>                       | <i>Below</i> | <i>Nearly</i> | <i>Standard</i> | <i>Honors</i> |
| Montpelier High School        | 101      | 13%                          | 24%          | 23%           | 17%             | 24%           | 8%                         | 13%          | 12%           | 40%             | 28%           | 21%                                 | 32%          | 11%           | 23%             | 14%           |
| Mount Abraham UHSD #28        | 118      | 7%                           | 32%          | 22%           | 23%             | 16%           | 6%                         | 26%          | 11%           | 36%             | 21%           | 20%                                 | 36%          | 9%            | 18%             | 17%           |
| Mt. Anthony Sr. UHSD #14      | 250      | 13%                          | 43%          | 22%           | 16%             | 6%            | 15%                        | 36%          | 14%           | 25%             | 10%           | 46%                                 | 32%          | 7%            | 10%             | 4%            |
| Mt. Mansfield USD #17         | 214      | 2%                           | 28%          | 25%           | 23%             | 21%           | 5%                         | 28%          | 14%           | 34%             | 20%           | 15%                                 | 33%          | 13%           | 21%             | 19%           |
| North Country Sr UHSD #22     | 220      | 10%                          | 42%          | 26%           | 14%             | 7%            | 12%                        | 38%          | 9%            | 30%             | 11%           | 31%                                 | 41%          | 13%           | 9%              | 6%            |
| Northfield Middle/High School | 57       | 19%                          | 56%          | 14%           | 7%              | 4%            | 16%                        | 39%          | 18%           | 25%             | 4%            | 40%                                 | 42%          | 11%           | 7%              | 0%            |
| Otter Valley UHSD #8          | 105      | 4%                           | 34%          | 24%           | 20%             | 18%           | 4%                         | 25%          | 11%           | 33%             | 27%           | 30%                                 | 30%          | 9%            | 13%             | 17%           |
| Oxbow UHSD #30                | 104      | 13%                          | 43%          | 27%           | 13%             | 3%            | 25%                        | 28%          | 14%           | 29%             | 4%            | 38%                                 | 34%          | 11%           | 14%             | 3%            |
| Peoples Academy               | 77       | 5%                           | 34%          | 31%           | 16%             | 14%           | 9%                         | 36%          | 16%           | 19%             | 19%           | 27%                                 | 31%          | 10%           | 21%             | 10%           |
| Poultney High School          | 52       | 12%                          | 52%          | 15%           | 17%             | 4%            | 17%                        | 48%          | 10%           | 17%             | 8%            | 62%                                 | 19%          | 8%            | 6%              | 6%            |
| Proctor Jr/Sr High School     | 32       | 9%                           | 25%          | 31%           | 25%             | 9%            | 6%                         | 31%          | 16%           | 44%             | 3%            | 16%                                 | 44%          | 22%           | 13%             | 6%            |
| Randolph UHSD #2              | 108      | 8%                           | 41%          | 22%           | 19%             | 10%           | 15%                        | 24%          | 12%           | 28%             | 21%           | 34%                                 | 28%          | 15%           | 14%             | 9%            |
| Richford Jr/Sr High School    | 32       | 9%                           | 59%          | 13%           | 9%              | 9%            | 22%                        | 41%          | 13%           | 16%             | 9%            | 47%                                 | 28%          | 9%            | 13%             | 3%            |
| Rochester Elem/High School    | 22       | 14%                          | 32%          | 32%           | 23%             | 0%            | 9%                         | 32%          | 9%            | 41%             | 9%            | 14%                                 | 55%          | 14%           | 18%             | 0%            |
| Rutland Senior High School    | 228      | 7%                           | 35%          | 28%           | 22%             | 8%            | 10%                        | 27%          | 18%           | 34%             | 11%           | 20%                                 | 43%          | 14%           | 16%             | 7%            |
| So. Burlington Central School | 4        | 0%                           | 50%          | 50%           | 0%              | 0%            | 0%                         | 25%          | 0%            | 75%             | 0%            | 100%                                | 0%           | 0%            | 0%              | 0%            |
| So. Burlington High School    | 192      | 14%                          | 24%          | 21%           | 30%             | 11%           | 0%                         | 4%           | 9%            | 51%             | 36%           | 5%                                  | 22%          | 17%           | 33%             | 23%           |
| So. Royalton Elem/High School | 34       | 9%                           | 24%          | 29%           | 21%             | 18%           | 0%                         | 12%          | 12%           | 41%             | 35%           | 32%                                 | 21%          | 12%           | 24%             | 12%           |
| Spaulding HSUD #41            | 213      | 6%                           | 38%          | 30%           | 20%             | 7%            | 10%                        | 35%          | 13%           | 34%             | 9%            | 34%                                 | 37%          | 12%           | 15%             | 2%            |
| Springfield High School       | 153      | 4%                           | 32%          | 34%           | 22%             | 8%            | 8%                         | 23%          | 12%           | 41%             | 16%           | 25%                                 | 33%          | 18%           | 21%             | 3%            |
| Stowe Middle/High School      | 54       | 13%                          | 19%          | 20%           | 30%             | 19%           | 2%                         | 7%           | 7%            | 50%             | 33%           | 9%                                  | 24%          | 9%            | 26%             | 31%           |
| Twinfield USD #33             | 37       | 8%                           | 32%          | 19%           | 27%             | 14%           | 11%                        | 30%          | 22%           | 27%             | 11%           | 35%                                 | 35%          | 11%           | 8%              | 11%           |
| U-32 High School (UHSD #32)   | 131      | 8%                           | 18%          | 28%           | 32%             | 14%           | 8%                         | 19%          | 13%           | 40%             | 19%           | 18%                                 | 32%          | 13%           | 25%             | 12%           |
| Vergennes UHSD #5             | 89       | 6%                           | 31%          | 27%           | 22%             | 13%           | 6%                         | 13%          | 15%           | 35%             | 31%           | 21%                                 | 39%          | 10%           | 15%             | 15%           |
| West Rutland School           | 39       | 3%                           | 38%          | 21%           | 28%             | 10%           | 5%                         | 23%          | 26%           | 31%             | 15%           | 13%                                 | 54%          | 13%           | 15%             | 5%            |
| Whitcomb Jr/Sr High School    | 29       | 17%                          | 28%          | 45%           | 7%              | 3%            | 10%                        | 41%          | 10%           | 31%             | 7%            | 48%                                 | 48%          | 0%            | 3%              | 0%            |
| Whitingham School             | 24       | 8%                           | 33%          | 29%           | 25%             | 4%            | 4%                         | 29%          | 4%            | 42%             | 21%           | 21%                                 | 50%          | 13%           | 17%             | 0%            |
| Williamstown Middle/High Sch  | 42       | 12%                          | 43%          | 19%           | 17%             | 10%           | 10%                        | 33%          | 10%           | 33%             | 14%           | 38%                                 | 24%          | 21%           | 14%             | 2%            |
| Wilmington Middle High School | 43       | 2%                           | 37%          | 33%           | 19%             | 9%            | 2%                         | 14%          | 14%           | 53%             | 16%           | 23%                                 | 37%          | 12%           | 21%             | 7%            |

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# New Standards Mathematics Reference Exam

School Results from Spring, 1999

High School Level (Tested at Grade 10)



Vermont Department  
of Education

| School Name                 | N   | Mathematical Concepts |       |        |          |        | Mathematical Skills |       |        |          |        | Mathematical Problem Solving |       |        |          |        |
|-----------------------------|-----|-----------------------|-------|--------|----------|--------|---------------------|-------|--------|----------|--------|------------------------------|-------|--------|----------|--------|
|                             |     | Little                | Below | Nearly | Standard | Honors | Little              | Below | Nearly | Standard | Honors | Little                       | Below | Nearly | Standard | Honors |
| Windsor High School         | 73  | 8%                    | 34%   | 32%    | 16%      | 10%    | 11%                 | 37%   | 15%    | 27%      | 10%    | 40%                          | 42%   | 4%     | 8%       | 5%     |
| Winooski Middle/High School | 57  | 11%                   | 40%   | 21%    | 21%      | 7%     | 9%                  | 35%   | 18%    | 23%      | 16%    | 37%                          | 40%   | 9%     | 12%      | 2%     |
| Woodstock Sr. UHSD #4       | 105 | 1%                    | 26%   | 21%    | 32%      | 20%    | 3%                  | 25%   | 9%     | 36%      | 28%    | 17%                          | 35%   | 11%    | 24%      | 12%    |

## Vermont Results:

New Standards Reference Exam - Mathematics

Grade: 10 N: 6,204

|                        | <u>Little</u> | <u>Below</u> | <u>Nearly</u> | <u>Standard</u> | <u>Honors</u> |
|------------------------|---------------|--------------|---------------|-----------------|---------------|
| <i>Concepts</i>        | 8%            | 33%          | 26%           | 21%             | 12%           |
| <i>Skills</i>          | 9%            | 26%          | 13%           | 34%             | 19%           |
| <i>Problem Solving</i> | 28%           | 34%          | 12%           | 17%             | 10%           |